Title (en)

METHOD AND APPARATUS FOR OPERATING SUBFRAME AND TRANSMITTING CHANNEL INFORMAITON FOR CONTROLLING INTERFERENCE IN COMMUNICATION SYSTEM

Title (de)

VERFAHREN UND VORRICHTUNG ZUM BETREIBEN VON SUBFRAMES UND ZUM ÜBERTRAGEN VON KANALINFORMATIONEN ZUR INTERFERENZSTEUERUNG IN EINEM KOMMUNIKATIONSSYSTEM

Title (fr)

PROCÉDÉ ET APPAREIL D'EXPLOITATION DE SOUS-TRAME ET DE TRANSMISSION DES INFORMATIONS DE CANAL POUR LIMITER LE BROUILLAGE DANS SYSTÈME DE COMMUNICATION

Publication

EP 2697921 A4 20141105 (EN)

Application

EP 12771815 A 20120412

Priority

- KR 20110033916 A 20110412
- KR 2012002760 W 20120412

Abstract (en)

[origin: US2012263057A1] A method and an apparatus for operating a subframe and transmitting channel information for controlling interference in a communication system are provided. If a macro evolved Node B (eNodeB) determines and reports an uplink protection subframe for suppressing uplink transmission to a neighboring eNodeB, transmits scheduling information for uplink data through a downlink subframe corresponding to an uplink protection subframe, and the uplink protection subframe determined by the neighboring eNodeB is reported, a small eNodeB sets the reported uplink protection subframe as a flexible subframe, and uses the flexible subframe for downlink transmission. If the flexible subframe is used for the downlink transmission, a terminal of the small eNodeB measures and transmits non-period channel information in the flexible subframe through at least one uplink subframe.

IPC 8 full level

H04J 11/00 (2006.01); **H04B 7/26** (2006.01); **H04B 15/00** (2006.01); **H04L 1/00** (2006.01); **H04L 1/18** (2006.01); **H04W 28/04** (2009.01)

CPC (source: EP KR US)

H04B 7/2656 (2013.01 - EP KR US); **H04L 1/0026** (2013.01 - EP KR US); **H04L 1/0027** (2013.01 - EP KR US); **H04L 1/1822** (2013.01 - EP KR US); **H04L 1/1887** (2013.01 - EP KR US); **H04W 28/04** (2013.01 - EP KR US); **H04W 72/0446** (2013.01 - US); **H04W 72/20** (2023.01 - KR US)

Citation (search report)

- [X] US 2009257366 A1 20091015 - POWER KEVIN [GB], et al
- [A] US 2010027446 A1 20100204 - CHOI SEUNG DEOG [KR], et al
- [X] US 2008137562 A1 20080612 - LI XIAODONG [US], et al
- [A] WO 2010049587 A1 20100506 - NOKIA CORP [FI], et al
- See references of WO 2012141497A2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 2012263057 A1 20121018; **US 9635584 B2 20170425**; CN 103477580 A 20131225; CN 103477580 B 20190628; EP 2697921 A2 20140219; EP 2697921 A4 20141105; EP 2697921 B1 20210602; JP 2014514851 A 20140619; JP 2018078635 A 20180517; JP 6509560 B2 20190508; JP 6896653 B2 20210630; KR 101785313 B1 20171017; KR 20120116271 A 20121022; US 10142987 B2 20181127; US 10798705 B2 20201006; US 11576173 B2 20230207; US 2017230974 A1 20170810; US 2019150144 A1 20190516; US 2021022137 A1 20210121; WO 2012141497 A2 20121018; WO 2012141497 A3 20130110

DOCDB simple family (application)

US 201213445041 A 20120412; CN 201280018446 A 20120412; EP 12771815 A 20120412; JP 2014505078 A 20120412; JP 2018000274 A 20180104; KR 20110033916 A 20110412; KR 2012002760 W 20120412; US 201715496616 A 20170425; US 201816201459 A 20181127; US 202017064049 A 20201006